

**IN THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-36 (Canceled).

37.(Previously presented) A method of manufacturing a display device comprising:  
forming a semiconductor layer, a gate insulating film, and a gate electrode over a substrate;  
forming an insulating film over the gate electrode and the semiconductor layer;  
forming a pixel electrode on the insulating film, wherein the pixel electrode is electrically  
connected to the semiconductor layer;  
forming an EL layer over the pixel electrode;  
forming an electrode over the pixel electrode; and  
forming a metal film on a portion of the electrode.

38.(Previously presented) A method of manufacturing a display device according to claim 37,  
wherein the electrode comprises a compound of indium oxide and tin oxide.

39.(Previously presented) A method of manufacturing a display device according to claim 37,  
wherein the pixel electrode comprises aluminum.

40.(Previously presented) A method of manufacturing a display device according to claim 37,  
wherein the gate electrode is formed over the semiconductor layer.

41.(Previously presented) A method of manufacturing a display device according to claim 37,

wherein the metal film comprises a lamination of titanium and aluminum.

42.(Previously presented) A method of manufacturing a display device according to claim 37, wherein the display device is an EL display device.

43.(Previously presented) A method of manufacturing a display device according to claim 37, wherein the display device is incorporated in at least one selected from the group consisting of a video camera, a head mount display, an image reproduction apparatus, a portable computer, a personal computer, a car navigation system, a mobile telephone, and a car audio equipment.

44.(Previously presented) A method of manufacturing a display device comprising:  
forming a semiconductor layer, a gate insulating film, and a gate electrode over a substrate;  
forming an insulating film over the gate electrode and the semiconductor layer;  
forming a pixel electrode on the insulating film, wherein the pixel electrode is electrically connected to the semiconductor layer;  
forming an EL layer over the pixel electrode;  
forming an anode over the pixel electrode; and  
forming a metal film on a portion of the electrode.

45.(Previously presented) A method of manufacturing a display device according to claim 44, wherein the anode comprises a compound of indium oxide and tin oxide.

46.(Previously presented) A method of manufacturing a display device according to claim 44, wherein the pixel electrode comprises aluminum.

47.(Previously presented) A method of manufacturing a display device according to claim 44, wherein the gate electrode is formed over the semiconductor layer.

48.(Previously presented) A method of manufacturing a display device according to claim 44, wherein the metal film comprises a lamination of titanium and aluminum.

49.(Previously presented) A method of manufacturing a display device according to claim 44, wherein the display device is an EL display device.

50.(Previously presented) A method of manufacturing a display device according to claim 44, wherein the display device is incorporated in at least one selected from the group consisting of a video camera, a head mount display, an image reproduction apparatus, a portable computer, a personal computer, a car navigation system, a mobile telephone, and a car audio equipment.

51.(Previously presented) A method of manufacturing a display device comprising:  
forming a semiconductor layer, a gate insulating film, and a gate electrode over a substrate;  
forming an insulating film over the gate electrode and the semiconductor layer;  
forming a pixel electrode on the insulating film, wherein the pixel electrode is electrically connected to the semiconductor layer;  
forming an EL layer over the pixel electrode;  
forming an electrode over the pixel electrode;  
forming a metal film on the electrode; and  
etching the metal film so as to be formed on a portion of the electrode.

52.(Previously presented) A method of manufacturing a display device according to claim 51, wherein the electrode comprises a compound of indium oxide and tin oxide.

53.(Previously presented) A method of manufacturing a display device according to claim 51, wherein the pixel electrode comprises aluminum.

54.(Previously presented) A method of manufacturing a display device according to claim 51, wherein the gate electrode is formed over the semiconductor layer.

55.(Previously presented) A method of manufacturing a display device according to claim 51, wherein the metal film comprises a lamination of titanium and aluminum.

56.(Previously presented) A method of manufacturing a display device according to claim 51, wherein the display device is an EL display device.

57.(Previously presented) A method of manufacturing a display device according to claim 51, wherein the display device is incorporated in at least one selected from the group consisting of a video camera, a head mount display, an image reproduction apparatus, a portable computer, a personal computer, a car navigation system, a mobile telephone, and a car audio equipment.

58.(Previously presented) A method of manufacturing a display device comprising:  
forming a semiconductor layer, a gate insulating film, and a gate electrode over a substrate;  
forming an insulating film over the gate electrode and the semiconductor layer;

forming a pixel electrode on the insulating film, wherein the pixel electrode is electrically connected to the semiconductor layer;

forming an EL layer over the pixel electrode;

forming an electrode over the pixel electrode; and

forming a metal film on an edge of the electrode.

59.(Previously presented) A method of manufacturing a display device according to claim 58, wherein the electrode comprises a compound of indium oxide and tin oxide.

60.(Previously presented) A method of manufacturing a display device according to claim 58, wherein the pixel electrode comprises aluminum.

61.(Previously presented) A method of manufacturing a display device according to claim 58, wherein the gate electrode is formed over the semiconductor layer.

62.(Previously presented) A method of manufacturing a display device according to claim 58, wherein the metal film comprises a lamination of titanium and aluminum.

63.(Previously presented) A method of manufacturing a display device according to claim 58, wherein the display device is an EL display device.

64.(Previously presented) A method of manufacturing a display device according to claim 58, wherein the display device is incorporated in at least one selected from the group consisting of a video camera, a head mount display, an image reproduction apparatus, a portable computer, a

personal computer, a car navigation system, a mobile telephone, and a car audio equipment.

65.(Previously presented) A method of manufacturing a display device comprising:  
forming a semiconductor layer, a gate insulating film, and a gate electrode over a substrate;  
forming an insulating film over the gate electrode and the semiconductor layer;  
forming a pixel electrode on the insulating film, wherein the pixel electrode is electrically  
connected to the semiconductor layer;  
forming an EL layer over the pixel electrode;  
forming an anode over the pixel electrode; and  
forming a metal film on an edge of the electrode.

66.(Previously presented) A method of manufacturing a display device according to claim 65,  
wherein the anode comprises a compound of indium oxide and tin oxide.

67.(Previously presented) A method of manufacturing a display device according to claim 65,  
wherein the pixel electrode comprises aluminum.

68.(Previously presented) A method of manufacturing a display device according to claim 65,  
wherein the gate electrode is formed over the semiconductor layer.

69.(Previously presented) A method of manufacturing a display device according to claim 65,  
wherein the metal film comprises a lamination of titanium and aluminum.

70.(Previously presented) A method of manufacturing a display device according to claim 65,

wherein the display device is an EL display device.

71.(Previously presented) A method of manufacturing a display device according to claim 65, wherein the display device is incorporated in at least one selected from the group consisting of a video camera, a head mount display, an image reproduction apparatus, a portable computer, a personal computer, a car navigation system, a mobile telephone, and a car audio equipment.

72.(Previously presented) A method of manufacturing a display device comprising:  
forming a semiconductor layer, a gate insulating film, and a gate electrode over a substrate;  
forming an insulating film over the gate electrode and the semiconductor layer;  
forming a pixel electrode on the insulating film, wherein the pixel electrode is electrically connected to the semiconductor layer;  
forming an EL layer over the pixel electrode;  
forming an electrode over the pixel electrode;  
forming a metal film on the electrode; and  
etching the metal film so as to be formed on an edge of the electrode.

73.(Previously presented) A method of manufacturing a display device according to claim 72, wherein the electrode comprises a compound of indium oxide and tin oxide.

74.(Previously presented) A method of manufacturing a display device according to claim 72, wherein the pixel electrode comprises aluminum.

75.(Previously presented) A method of manufacturing a display device according to claim 72,

wherein the gate electrode is formed over the semiconductor layer.

76.(Previously presented) A method of manufacturing a display device according to claim 72, wherein the metal film comprises a lamination of titanium and aluminum.

77.(Previously presented) A method of manufacturing a display device according to claim 72, wherein the display device is an EL display device.

78.(Previously presented) A method of manufacturing a display device according to claim 72, wherein the display device is incorporated in at least one selected from the group consisting of a video camera, a head mount display, an image reproduction apparatus, a portable computer, a personal computer, a car navigation system, a mobile telephone, and a car audio equipment.

79.(New) A top emitting OLED display, comprising:

- a) a substrate;
- b) a patterned electrode formed above the substrate, defining a plurality of light emitting elements having gaps between the light emitting elements;
- c) a layer of OLED material disposed above the patterned electrode;
- d) a continuous transparent electrode disposed above the layer of OLED material; and
- e) a light-absorbing auxiliary electrode that is thermally and electrically conductive and in electrical and thermal contact with the continuous transparent electrode and located over the gaps between the light emitting elements of the display.

80.(New) The OLED display claimed in claim 79, wherein the display is an active-matrix



display, and further comprising a layer of active-matrix circuitry formed on the substrate under the patterned electrode.

81.(New) The OLED display claimed in claim 79, wherein the auxiliary electrode is located above the transparent electrode.

82.(New) The OLED display claimed in claim 79, wherein the auxiliary electrode comprises a uniform light-absorbing material that is thermally and electrically conductive.

83.(New) The OLED display claimed in claim 81, wherein the auxiliary electrode comprises a thermally and electrically conductive material and a thermally conductive light-absorbing layer.

84.(New) The OLED display claimed in claim 79, wherein the auxiliary electrode comprises light absorbing silver.

85.(New) The OLED display claimed in claim 83, wherein the electrically and thermally conductive layer is comprised of aluminum, copper, silver, or titanium.

86.(New) A method of making a light emitting OLED display, comprising the steps of:

- a) providing a substrate;
- b) forming a patterned electrode above the substrate, defining a plurality of light emitting elements having gaps between the light emitting elements;
- c) disposing a layer of OLED material above the patterned electrode;
- d) disposing a continuous transparent electrode above the layer of OLED material; and

e) locating a light-absorbing auxiliary electrode that is thermally and electrically conductive and in electrical and thermal contact with the continuous transparent electrode over the gaps between the light emitting elements of the display.

87.(New) The method claimed in claim 86, wherein the display is an active-matrix display, and further comprising the step of forming a layer of active-matrix circuitry on the substrate under the patterned electrode.

88.(New) The method claimed in claim 86, wherein the auxiliary electrode is located above the transparent electrode.

89.(New) The method claimed in claim 86, wherein the auxiliary electrode comprises a uniform light-absorbing material that is thermally and electrically conductive.

90.(New) The method claimed in claim 88, wherein the auxiliary electrode comprises a thermally and electrically conductive material coated with a thermally conductive light-absorbing layer.

91.(New) The method claimed in claim 86, wherein the auxiliary electrode comprises light absorbing silver.

92.(New) The method claimed in claim 90, wherein the electrically and thermally conductive layer is comprised of aluminum, copper, silver, or titanium.

93.(New) The method claimed in claim 86, wherein the auxiliary electrode is sputtered.